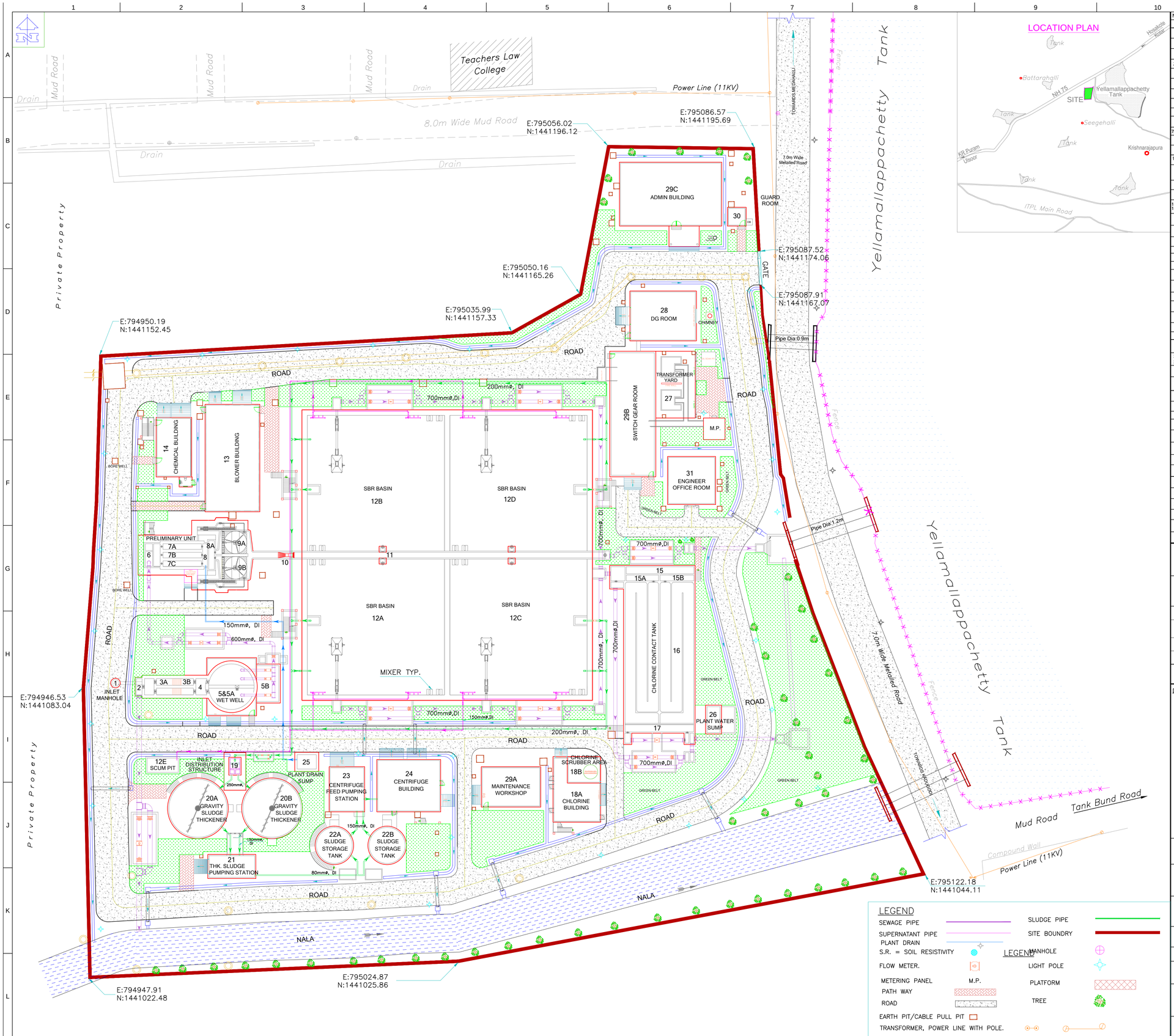

LOCATION PLAN

NOS.	COMPONENT	NOS.	SIZE
	TSPS		
1	INLET MANHOLE	1	DIA 1.5m
2	BY PASS OVER FLOW CHAMBER	1	3.4mL x 1.2mW x 2.85m SWD + 0.5mFB
2A	TSPS COARSE SCREEN INLET CHANNEL	1	3.4mL x 2.0mW x 0.6m SWD + 0.5mFB
3A,B	TSPS COARSE SCREEN CHANNEL	2	7.7mL x 1.4mW x 0.6m SWD + 0.5mFB
4	TSPS COARSE SCREEN EFFLUENT CHANNEL	1	3.4mL x 2mW x 0.6m SWD + 0.5mFB
5	TSPS WET WELL	1	9.5m Dia x 2m Operating Liq. Depth.
5A	MCC ROOM (ABOVE WET WELL)	1	11.7mL x 10mW x 5.97m Ht.
5B	VALVE CHAMBER	1	7.5mL x 4.65mW x 2.3m Depth
	HEAD WORKS		
6	MEDIUM SCREEN INLET CHANNEL	1	4.74mL x 3.1mW x 1.5m SWD + 0.5mFB
7A,B,C	MEDIUM SCREEN CHANNEL	3	8mL x 1.18mW x 0.65m SWD + 0.5mFB
8	MEDIUM SCREEN EFFLUENT CHANNEL	1	3.74mL x 1mW x 1.12m SWD + 0.5mFB
8A	GRIT BASIN DISTRIBUTION CHANNEL	1	1.2mL x 6mW x 0.45m SWD + 0.5mFB
9A,B	GRIT BASINS	2	4.7mL x 4.7mW x 1m SWD+ 0.5mFB.
10	PARSHALL FLUME	1	Min. Total Channel Length 10.35 mtr.+ Throat Width 0.6 mtr. + Upstream SWD 0.582 Mtr. + F.B.0.5 mtr.
	SBR/AERATION BASIN		
11	SBR/AERATION BASIN DISTRIBUTION STRUCTURE	1	64.3mL x 1.2mW x 0.5mSWD + 0.5mFB.
12A,B, 12C,D	SBR/AERATION BASINS	4	28.58mL x 28.58mWx6.72mSWD+0.6mFB.
12E	SBR SCUM PIT	1	6.5L x 3.0mW x 2mSWD + 0.5mFB.
13	BLOWER ROOM	1	22mL x 11mW x 7.85m Ht.
14	CHEMICAL BUILDING (ALUM BUILDING) G+1		
	CHEMICAL BUILDING (LOWER LEVEL)	1	12mL x 7mW x 5.5mHt.
	CHEMICAL BUILDING (UPPER LEVEL)	1	12mL x 7mW x 4.85mHt.
	CHLORINE CONTACT TANK		
15	CHLORINE CONTACT TANK INLET CHANNEL	1	14.1mL x 1.5mW x 1.17mSWD +0.5mFB.
15A	OVERFLOW WEIR CHAMBER FOR INLET CHANNEL OF CCT	2	6.75mL x 1.2mW x 1m SWD+ 0.5mFB.
16	CHLORINE CONTACT TANK	2	29.4mL x 7mW x 2.35mSWD + 0.5mFB.
17	CHLORINE CONTACT TANK EFFLUENT CHANNEL	1	14.3mL x 1.5mW x 1mSWD + 0.5mFB.
18A	CHLORINE BUILDING	1	9.5Lm x 8mW x 5.5mHt.
18B	CHLORINE SCRUBBER AREA/FOUNDATION	1	6.5Lm x 5.1mW
	SLUDGE THICKENING & DEWATERING		
19	GRAVITY THICKENER INLET DISTRIBUTION STRUCTURE-BRANCH BOXES	1	3.2mL x 2.05mW x 1.15mSWD +0.5mFB
20A, 20B	GRAVITY SLUDGE THICKENER	2	Dia.12.1m x 4.5mSWD + 0.5mFB.
21	THICKENED SLUDGE PUMPING STATION	1	9.5mL x 4.5mW x 6.8mHt
22A, 22B	SLUDGE STORAGE TANK	2	Dia.7.5m X 7 SWD m + 0.5m FB.
23	CENTRIFUGE FEED PUMPING STATION	1	9mL x 7mW x 5.5mHt.
24	CENTRIFUGE BUILDING (GROUND FLOOR)	1	12.9mL x 10.5mW x 6.3mHt.
	CENTRIFUGE BUILDING (FIRST FLOOR)	1	12.9mL x 10.5mW x 5.75mHt.
25	PLANT DRAIN PUMP STATION	1	4mL x 3mW x 1.5m SWD + 0.5m FB.
26	PLANT WATER PUMP STATION	1	5.4mL x 2.7mW x 1.5m SWD + 0.5mFB.
	BUILDINGS		
27	TRANSFORMER YARD	1	13.9mL x 8.2mW
28	DG ROOM FOR STP & TSPS	1	13.4mL x 10mW x 5m Ht.
29A	MAINTENANCE WORKSHOP	1	12mL x 8mW x 5m Ht.
29B	SWITCH GEAR ROOM	1	25.55mL x 9mW x 5m Ht.
29C	ADMIN + LABORATORY (GROUND FLOOR)	1	20.9mL x 12.9mW x 3.6m Ht.
	ADMIN + LABORATORY (FIRST FLOOR)	1	20.9mL x 12.9mW x 3.6m Ht.
30	GUARD ROOM (SECURITY ROOM)	1	3.5mL x 3.5mW x 3mHt.
31	ENGINEER OFFICE ROOM	1	9.6mL x 9.6mW x 2.9mHt.

REFERENCE DRAWING :-

1. TOPOGRAPHICAL SURVEY – A1-KT001-CIVIL-02-001-R0
2. PROCESS DESIGN CALCULATION – A4/KT001/YSP/01/002/R3
3. BOUNDARY WALL LAYOUT FOR YELLAMALAPACHETTY 15 MLD STP – A1-KT001-YSP-P-02-06-R0

ABBREVIATIONS

1. RL= REDUCE LEVEL.
2. LD= LIQUID DEPTH.
3. S.W.D.= SIDE WATER DEPTH
4. F.B. = FREE BOARD
5. BH= BOREHOLE
6. FGL= FINISHED GROUND LEVEL

BENCH MARK DETAILS

BM	EASTING	NORTHING	RL
BM1	795094.222	1441113.343	867.361
TBM1	795109.738	1441122.509	867.398

NJS-MM-TCE/BWSSB DRAWING/DOCUMENT REVIEW STATUS

Date of receipt _____

A. Approved,manufacture/construction may commence.
B. Acceptable subject to change indicated.Resubmit for approval but manufacture/construction may commence.
C. Amend as Comments indicated and resubmit for approval.
D. Comments noted in letter/memo attached to approval.Transmittal Nr._____ dated _____ Amend as comments indicated and resubmit for approval
E. Amend as comments indicated and resubmit for record
F. Comments noted in letter/memo attached to forwarding.Transmittal Nr._____ dated _____ Amend as comments indicated and resubmit for record.
G. Drawing for this category is for information and hence not required to be approved. Approval of drawings/documents does not absolve contractor/vendor from any responsibilities. For their accuracy or for the design,performance and safety of the plant/works or any other. obligation under the contract and Indian statutory laws nor does it limit the employer's right under the contract.

For NJS-MM-TCE Varified By_____ Date_____

For BWSSB Checked By_____ Date_____

Revied By_____ Date_____

Approved By Chief Engineer (Kaveri)_____ Date_____

PROJECT	CONTRACT S1e - SEWAGE TREATMENT PLANTS AT DODDABELE 20MLD AND YELLAMALLAPPACHETTY 15MLD AND INTERMEDIATE SEWAGE PUMPING STATION AND PUMPING MAINS AT SADARMANGALA 5MLD
CLIENT	BANGALORE WATER SUPPLY & SEWERAGE BOARD
CONSULTANT	NIPPON JOGESUIDO SEKKEI CO. LTD. MOTT MACDOLALD LTD. TATA CONSULTING ENGINEERS LTD.INDIA
TITLE	PLANT LAYOUT FOR YELLAMALLAPACHETTY 15MLD STP

DWG SIZE	A1		Name	Date
		DRAWN	SG	05.02.14
		CHECKED	RA	05.02.14
		APPROVED	SS	05.02.14

KEC-WATERLEAU

SCALE 1:100	Dwg.No.	Rev.
	A1-KT001-YSP-P-02-01	R2

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LEGEND

SEWAGE PIPE	SLUDGE PIPE
SUPERNATANT PIPE	SITE BOUNDRY
PLANT DRAIN	
S.R. = SOIL RESISTIVITY	MANHOLE
FLOW METER.	LIGHT POLE
METERING PANEL M.P.	PLATFORM
PATH WAY	TREE
ROAD	
EARTH PIT/CABLE PULL PIT	
TRANSFORMER, POWER LINE WITH POLE.	